BHURATH BENGALURU MAHANAGARA PALIKE

Tender Name : Improvements and Asphalting roads at manjunathnagara Tenginatota , Byraweshwaranagara, Sampangi Ramaiah Layout, main roads and cross roads of M.E.I Layout left side and Bagalagunte in Bagalagunte in ward no.14 (5 works) Package NO. DZ 2017-18(03)

Item No	Items	Unit	Quantity	Rate	
				In Rs	In Words
1	Removing B.S slab of drain and stacking (Page No 25., I.no.5.32 of KPWD S.R 2016-17).	Sqm	1663.2	73.59	Seventy Three rupees fifty Nine paise
2	KSRB 300-1 : Earthwork excavation by manual means in ordinary soil involving an average harizintal throw upto 2 meters and an average horizontal lift upto 0.5m, excavated surface leveled and sides neately dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No 142., I.No.19.1 of KPWD S.R 2016-17)	Cum	4089.84	97.32	Ninety Seven rupees thirty Two paise
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted,in foundation,plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 (Page No.13..,I.No.4.7 of KPWD S.R 2016-17)	Cum	59.76	6269.11	Six Thousand Two Hundred Sixty Nine rupees Eleven paise
4	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (Page No 25., I.No.5.27.1 of KPWD S.R 2016-17)	Sqm	1099.2	1112.11	One Thousand One Hundred Twelve rupees Eleven paise
5	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labours, curing complete as per specifications. (Page NO 23., I.No.5.6 of KPWD S.R 2016-17)	Cum	42.64	4969.47	Four Thousand Nine Hundred Sixty Nine rupees Fourty Seven paise
6	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page NO 113., I.No.15.1 of KPWD S.R 2016-17)	Cum	111.24	115.13	One Hundred Fifteen rupees Thriteen paise
7	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page NO 12., I.No.4.6 of KPWD S.R 2016-17)	Cum	87.96	6457.82	Six Thousand Four Hundred Fifty Seven rupees Eighty Two paise

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8	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork,curing,including cost of all materials, labour, hire charges of machinery, loading,unloading, lead and lift, transportation etc., complete(Page No 25., I.No.5.27.1 of KPWD S.R 2016-17)	Nos	5105.33	432.03	Four Hundred Thirty Two rupees Three paise
9	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.182., I.No.24.1 of KPWD S.R.2016-17)	Sqm	720.3	71.21	Seventy One rupees Twenty one paise
10	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (Page No. 149 I.No.19.64 of KPWD S.R 2016-17)	Sqm	5410.5	5.93	Five rupees Ninety Three paise
11	Construction of Sub Grade and earthen Shoulders with approved material Gravel/Murrum With all Lifts & Leads transporting to site, Spreading Grading to required slope and compacted to meet requirement of Table No.300.2 complete as per specifications (including cost of earth , watering Charges & Compaction by vibratory roller) MORTH Specification No.305 (Page no.148,1 no 19.62 of KPWD S.R 2016-17)	Sqm	811.58	392.86	Three Hundred Ninety Two rupees Eighty Six paise
12	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Materia (Page No.155., I. No.20.5.1 of KPWD S.R 2016-17)	Cum	1281.01	1731.66	One Thousand Seven Hundred Thirty One rupees Sixty Six paise
13	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406(Page No 158., I.No.20.18 of KPWD S.R 2016-17).	Cum	1201.16	1979.72	One Thousand Nine Hundred Seventy Nine rupees Seventy Two paise
14	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM,WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 (page no.161., I.No.21.6 of KPWD S.R.2016-17)	Sqm	5410.5	30.86	Thirty rupees Eighty Six paise

Item No	Items	Unit	Quantity	Rate	
				In Rs	In Words
15	KSRRB 500-2 : Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to rceive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 (Page No.161., I.No.21.2 of KPWD S.R 2016-2017)	Sqm	10508.4	3.56	Three rupees Fifty Six paise
16	KSRRB-3000 Filling Pot-holes and Patch Repairs with Bituminous Concrete, 40 mm KSRRB M3000-5. Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, applying tack coat on the sides and base of excavation at 2.5kg/sqm as per clause 500.3, back filling the pot holes with hot bituminous material as per clause 500.4, compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 complete as per specifications MORTH Specification No. 3004.2 (Page No.257., I.No.35.5 of KPWD S.R 2016-2017)	Sqm	521.39	338.26	Three Hundred Thirty Eight rupees Twenty Six paise
17	KSRRB 500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 (Page No.161, Item No. 21.7 of KPWD S.R.2016-2017)	Sqm	31837.8	13.06	Thirteen rupees Six paise
18	KSRRB M500-11 : Providing and laying bituminous Macamdam on prepared surface with crushed coarse aggregates as design mix for base/binding course including loading of agregates with F.E loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity transporting the mixed material in tipper to paver and laying mixed materials paver finisher to the required level and grade, roo lling by power roller to achieve the desired density but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour HOM of machineries complete as per specifications using TPH capacity HMP with sensor paver Gr-II (50mm to 75mm) with 3.3% VG-30 Bitumen (Page No.162, Item No. 21.11.5 of KPWD S.R 2016-17)	Cum	795.95	6210.95	Six Thousand Two Hundred Ten rupees Ninety Five paise
19	KSRRB M500-19 : Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications.MORTH specification no.509 using 40-60 TPH capacity HMP with Sensor paver Gr- II (30mm to 45mm) with 6% VG-30 bitumen (Page No.165, Item No. 21.23.12 of KPWD S.R 2016-17)	Cum	615.02	15280.12	Fifteen Thousand Two Hundred Eighty rupees twelve paise
20	Add Plastic to Bituminous Concrete 8% of Bitumen	Kg	6937.06	30.23	Thirty rupees Twenty Three paise

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21	KSRRB M800-13 Road Markig with Hot Applied Thermoplastic compound with Reflectirising glass beads on Bituminous suface:- Providing and laying of Hot applied thermoplastic compund 2.5mm thick including reflectorising glass beads at 250gm/sqm area thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35 the finished surface to be level uniform and pre firm streads and holes complete as per specficaions (Page No.185,I.No.24.15 of KPWD S.R. 2016-2017)	Sqm	760.28	607.68	Six Hundred Seven rupees Sixty Eight paise
22	KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, die- cast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications(Page No 189., I.No.24.41 of KPWD S.R 2016-17)	Nos	725	402.35	Four Hundred Two rupees Thrity Five paise
23	Refixing B S Slab of Drains and Pointing in C.M (1:30 Page No.25., I.No.5.33 of KPWD S.R.2016-17)	Sqm	915.84	90.20	Ninety rupees Twenty paise
24	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- Data rate	Cum	466.2	2053.53	Two Thousand Fifty three rupees Fifty Three paise
25	Lead charges for conveying the excavated earth including loading and unloading upto 10kms as per directions (Page No.140 SL.No.5 of KPWD S.R 2016-17)	Cum	4089.84	118.69	One Hundred Eighteen rupees Sixty Nine paise

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